

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 11, 2003, 19:45:09 ; Search time 13.8857 Seconds
(without alignments)
991.661 Million cell updates/sec

Title: US-09-497-967-7

Perfect score: 2540

Sequence: 1 MKNNILVILIISFLINQIKS.....QCDFANFLSISLLISYLL 468

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	233	9.2	1917	4	US-09-627-650B-5
2	233	9.2	1917	4	US-09-436-063C-5
3	217	8.5	2508	4	US-09-627-650B-7
4	217	8.5	2508	4	US-09-436-063C-7
5	217	8.5	2544	4	US-09-627-650B-3
6	217	8.5	2544	4	US-09-436-063C-3
7	217	8.5	2601	4	US-09-627-650B-9
8	217	8.5	2601	4	US-09-436-063C-9
9	215.5	8.5	1652	4	US-09-627-650B-1
10	215.5	8.5	1652	4	US-09-436-063C-1
11	207	8.1	1128	4	US-09-627-650B-11
12	207	8.1	1128	4	US-09-436-063C-11
13	200.5	7.9	1345	2	US-08-977-767-3
14	199.5	7.9	2088	4	US-09-548-372D-13
15	199.5	7.9	2088	4	US-09-548-367D-13
16	187.5	7.4	801	1	US-07-906-349A-6
17	186.5	7.3	1400	1	US-08-630-915A-37
18	179.5	7.1	341	2	US-08-209-521-11
19	175.5	6.9	2211	4	US-09-738-884-1
20	175.5	6.9	3075	2	US-08-460-309-5
21	175.5	6.9	3075	2	US-08-125-077-5
22	166.5	6.6	969	2	US-08-284-941-2
23	166.5	6.6	969	2	US-08-447-642-2
24	166.5	6.6	969	2	US-09-236-503-2
25	166.5	6.6	969	5	PCR-US93-02147A-2
26	157	6.2	3111	2	US-08-460-309-4
27	157	6.2	3111	2	US-08-125-077-4

28	155	6.1	1417	4	US-08-900-230-3	Sequence 3, Appl
29	150.5	5.9	1111	1	US-08-317-450B-15	Sequence 15, Appl
30	150.5	5.9	1111	4	US-08-800-593-15	Sequence 15, Appl
31	150.5	5.9	1193	1	US-08-317-450B-13	Sequence 13, Appl
32	150.5	5.9	1193	4	US-08-800-593-13	Sequence 13, Appl
33	146	5.7	355	1	US-08-292-549-6	Sequence 6, Appl
34	146	5.7	355	4	US-09-006-353A-14	Sequence 14, Appl
35	146	5.7	355	4	US-09-573-986-14	Sequence 14, Appl
36	144.5	5.7	320	4	US-09-183-861-22	Sequence 22, Appl
37	144.5	5.7	320	4	US-09-183-861-55	Sequence 55, Appl
38	144.5	5.7	320	4	US-09-022-765-22	Sequence 22, Appl
39	144.5	5.7	320	1	US-08-022-765-55	Sequence 55, Appl
40	143.5	5.6	610	1	US-08-365-470-3	Sequence 3, Appl
41	143.5	5.6	610	3	US-09-209-668-19	Sequence 19, Appl
42	143.5	5.6	610	4	US-09-009-490A-89	Sequence 89, Appl
43	141.5	5.6	610	6	5217870-2	Patent No. 5217870
44	138	5.4	2471	1	US-08-185-432-16	Sequence 16, Appl
45	138	5.4	2471	1	US-08-083-590A-19	Sequence 19, Appl

ALIGNMENTS

RESULT 1

US-09-627-650B-5
; Sequence 5, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.0009U3
; CURRENT APPLICATION NUMBER: US/09/627,650B
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1917
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-5

Query Match	9.2%	Score 233;	DB 4;	Length 1917;
Best Local Similarity	25.4%	Pred. No. 8.9e-12;		
Matches 115;	Conservative 10;	Mismatches 236;	Indels 90;	Gaps 18;
QY	23	CPVGTETNTAGQVDDLGTTPANCVCQKNFYNNAAAFVPGA-----STCTPCPQ 71		
Db	622	CTCACTTACCGTCGCGAGTAGACTACCTGGATAGACTGTGGAAACCCGACACGTTCTTCCC 681		
QY	72	KDAGAQNPPATANLVTCNVKCPAGTAIAGGATDYAAITECVNCRINFYNNAPNFN 131		
Db	682	AAATGAAA-AGAAATCATCTTCTTCCACTT---GGCAACACACATAAC-----T 725		
QY	132	AGASTCTACPNRVVGALLTAGNAATIVAOCN-----VACPTGTLDDGVTTDYVRSFTEC 186		
Db	726	CGTTCCTTCGTATCAG--GGTGATGGACGGTTATTACTAGTCAAGATTAAACAGTCAC 783		
QY	187	VKRLNFYNNNGNTPFPNGKSQCTPCPAIKPANVAQTALGNDAITP-AOC-----NVA 240		
Db	784	TGCAA-----CGTGCCAATGGACCTGAAGCTGTTCCTCCAGTCTCAACACTGTAAA 838		
QY	241	CPDGTISAAGYNNVAQNTCTNCAPNFYNNAPNFNPGNSTCLPCPANKDYGAEATAGG 300		
Db	839	CTGGAATTAAGAACTACGGCTACA-----GTATCTCTCGA-----CATTATG 880		
QY	301	AATLAKQCNIACPDGCTATASG---ATNYVILQTECLNCAANFYFDGNNFQAGSSRCRACP 357		

Db	881	TACGTGTGCACGAGAAAGTCCGTG-----TCCACCGAGTCTTATG--AGTTGCCGA	933
QY	358	ANKVQGVAVAT-----AGGT-ATLIAQCALEC---PAGTVLTDGTTSTYKQAASEC	403
Db	934	GTTTGTTACTTCACTATCAAGTGCATCATACGCAAAAGCTTAGTTTCAGGAGAATA	993
QY	404	VKAAAFYTTKQTDWVAGIDTCSNKKLTSGA	436
Db	994	TTCCGCGCT---TTGCTGGTTCTTCTCTATTCAA	1023
RESULT 2			
US-09-436-063C-5			
; Sequence 5, Application US/09436063C			
; Patent No. 6407210			
; GENERAL INFORMATION:			
; APPLICANT: Bamber, Bruce			
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and			
; FILE REFERENCE: P-1095corrected			
; CURRENT FILING DATE: 1999-11-08			
; PRIOR FILING DATE: 1999-11-08			
; PRIOR FILING DATE: 1998-11-09			
; NUMBER OF SEQ ID NOS: 18			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 5			
; LENGTH: 1917			
; TYPE: PRT			
; ORGANISM: Caenorhabditis elegans			
US-09-436-063C-5			
Query Match			
Best Local Similarity 9.2%; Score 233; DB 4; Length 1917;			
Matches 115; Conservative 10; Mismatches 238; Indels 90; Gaps 18;			
QY	23	CPVGTETNTAGQVDDLGPANVCNQNFYNNAAAFVPGA-----SCTCTCPQ	71
Db	622	CTCACTTACCGTCGGAGTAGACTACTCTGGATAGACTGTGGAAACCCGACAGTCTCTCCC	681
QY	72	KDGAOPNPATANLVTCQNVKCPAGTAIAGGATDAAIITECVNCRINFYNENAFNFN	131
Db	682	AAATGAAA-AGAAATCATCTCTCCACTT---GGCAACACACATAAC-----T	725
QY	132	AGASTCTACPNRVGSGALTAGNAATVAQCN-----VACPTGALTDDGVTTDYVRSFTEC	186
Db	726	CGTCTCTCGTATCCAG--GGTGATGGAACGGTTTATCTAGTCAAGATTAAACAGTCAC	783
QY	187	VKRLNFYNGNNGTFFNPQKSOCTPCPAIKPANVAQATLGNDAIT- AQC-----NVA	240
Db	784	TCCAA-----CGTGCCAATGGACCTGAAGCTGTTCCTCAACACTCTCAACACTGTAAA	838
QY	241	CPDGTISAAGVNNVQAQNTCTNCPNFYNNAPNPNPNCSTCLPCPANKDYGAENTAGG	300
Db	839	CTGGAAATGAAAGTACGGGTACA-----GTATCTCTCGA-----CATTTATG	880
QY	301	AATLAKOCNIACPDGTATASG---ATNVVILQTECLNCAANFYFDGNNFQAGSSRCRACP	357
Db	881	TACGTGTCCGACGAGAAGATGCCGTG-----TCCACCGAGTCTTATG--AGTTGCCGA	933
QY	358	ANKVQGVAVAT-----AGGT-ATLIAQCALEC---PAGTVLTDGTTSTYKQAASEC	403
Db	934	GTTTGTTACTTCACTATCAAGTGCATCATACGCAAAAGCTTAGTTTCAGGAGAATA	993
QY	404	VKAAAFYTTKQTDWVAGIDTCSNKKLTSGA	436
Db	994	TTCCGCGCT---TTGCTGGTTCTTCTCTATTCAA	1023
RESULT 3			
US-09-627-650B-7			
; Sequence 7, Application US/09627650B			
; Patent No. 6407210			
; GENERAL INFORMATION:			
; APPLICANT: Bamber, Bruce			
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and			
; FILE REFERENCE: P-1095corrected			
; CURRENT FILING DATE: 1999-11-08			
; PRIOR FILING DATE: 1999-11-08			
; PRIOR FILING DATE: 1998-11-09			
; NUMBER OF SEQ ID NOS: 18			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 7			
; LENGTH: 2508			
; TYPE: PRT			
; ORGANISM: Caenorhabditis elegans			
US-09-627-650B-7			
Query Match			
Best Local Similarity 8.5%; Score 217; DB 4; Length 2508;			
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;			
QY	20	SANCPVGTETNTAGQVDDLGPANVCNQNFYNNAAAFVPGAFTCTCTPCPKDAGAQP	79
Db	403	TGGCAAGACCCCTCGAC---TAGCCCTTCGGAAGTCTTGATTGGGACTTTCCAAAGAAAT	458
QY	80	NPPATANLVTCQNVK- PAGTAIA-----GGATDYAAIITE-----CVNCRINFYNEN	126
Db	459	CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----	510
QY	127	APNFNAGASTCTACPNRVGSGALTAGNAATIVAQCNV--ACPTGTALDDGVTTDYVRSFT	184
Db	511	-----ACGTCTCTCCCAATGAAAGAAATCATCTCTCCACITG-----GCA	552
QY	185	ECVKRLNFYNGNNGTFFNPQKSOCTPCPAIKPANVAQATLGNDAIT- AOCN-----V	239
Db	553	ACCACAC-----ATAACTCGTCTCTCTCGTA---TCGAGGGTGATGGAACGGTTTAT	600
QY	240	ACPDGTISAAGVNNVQAQNT-ECTNCPNFYNNAPNPNPNCSTCTCTCCCAATGGACCTGAAGC	283
Db	601	ACTAGTCAAGATTAAACAGTCACCTGCAA-----CGTGCCAATGGACCTGAAGC	649
QY	284	-----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATIASGATN	324
Db	650	TGTTCCCAATGGACTCTCAACACTGTAAACTGGAATTTGAAAGCT-ACGGGTACGAGACG	708
QY	325	YVILQT-----ECLNCAANFYFDGNNFQAGSSRC-KACPANKVOGAVATAGGTAT-LIAOC	378
Db	709	AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTGGAGATAACGGC	761
QY	379	ALECPAGTVLTDGTTSTYKQAASECYKCAANFYTTKTQTDWVAGIDTCTSC	428
Db	762	TGTCAGT--TTGATAC-----CTTCCAG---TTGCCCGCAGTTTTCAGC	799
RESULT 4			
US-09-436-063C-7			
; Sequence 7, Application US/09436063C			
; Patent No. 6407210			
; GENERAL INFORMATION:			
; APPLICANT: Bamber, Bruce			
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and			
; FILE REFERENCE: P-1095corrected			
; CURRENT FILING DATE: 1999-11-08			
; PRIOR FILING DATE: 1999-11-08			
; PRIOR FILING DATE: 1998-11-09			
; NUMBER OF SEQ ID NOS: 18			

```
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 2508
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-7

Query Match      8.5%; Score 217; DB 4; Length 2508;
Best Local Similarity 26.4%; Pred. No. 3.2e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCPCVGTETNTAGQVDDLTGPANVCNCKNFYNNAAAFVPGASTCTPCPKKDDAGAQP 79
Db 403 TGGCAAGACCCCTCGAC-----TAGCCTTCGGAAGTCTTGTATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC--PAGTAIA-----GGATDYAAIITE-----CVNCRINFYEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----510
QY 127 APFNAGASTCTACPVNRVGGALTAGNAATIVAOCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATTTCTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGNTPFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCN-----V 239
Db 553 ACCACAC-----ATAACTCGTTCCTTCGTA-----TCGAGGGTGTGGAACCGGTTAT 600
QY 240 ACPDGTISAAGVNWNVAQNT--ECTNCAPNFYNNAPNPNSTC-----283
Db 601 ACTAGTCAAGATTAAACAGTCACTGCAA-----CGTGTCCAATGGACCTGAAGC 649
QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATASGATN 324
Db 650 TGTTCCTCCCAATGGACTCTCAACACTGTAACTGGAATTTGAAAGCT--ACGGGTACGAGCG 708
QY 325 YVILQT-----ECLNCAANFYDGNFQAGSSRC--KACPANKVQGVATAGGTAT--LIAQC 378
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTTGGAGATAACGGC 761
QY 379 ALECPAGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVAGIDTCTSC 428
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCCGCAGTTTCAGC 799

RESULT 5
US-09-627-650B-3
; Sequence 3, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-3

Query Match      8.5%; Score 217; DB 4; Length 2544;
Best Local Similarity 26.4%; Pred. No. 3.3e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCPCVGTETNTAGQVDDLTGPANVCNCKNFYNNAAAFVPGASTCTPCPKKDDAGAQP 79
Db 403 TGGCAAGACCCCTCGAC-----TAGCCTTCGGAAGTCTTGTATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC--PAGTAIA-----GGATDYAAIITE-----CVNCRINFYEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----510
QY 127 APFNAGASTCTACPVNRVGGALTAGNAATIVAOCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATTTCTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGNTPFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCN-----V 239
Db 553 ACCACAC-----ATAACTCGTTCCTTCGTA-----TCGAGGGTGTGGAACCGGTTAT 600

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 2508
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-3

Query Match      8.5%; Score 217; DB 4; Length 2544;
Best Local Similarity 26.4%; Pred. No. 3.3e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCPCVGTETNTAGQVDDLTGPANVCNCKNFYNNAAAFVPGASTCTPCPKKDDAGAQP 79
Db 403 TGGCAAGACCCCTCGAC-----TAGCCTTCGGAAGTCTTGTATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC--PAGTAIA-----GGATDYAAIITE-----CVNCRINFYEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----510
QY 127 APFNAGASTCTACPVNRVGGALTAGNAATIVAOCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATTTCTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGNTPFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCN-----V 239
Db 553 ACCACAC-----ATAACTCGTTCCTTCGTA-----TCGAGGGTGTGGAACCGGTTAT 600
```

```
Db 403 TGGCAAGACCCCTCGAC-----TAGCCTTCGGAAGTCTTGTATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC--PAGTAIA-----GGATDYAAIITE-----CVNCRINFYEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----510
QY 127 APFNAGASTCTACPVNRVGGALTAGNAATIVAOCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATTTCTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGNTPFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCN-----V 239
Db 553 ACCACAC-----ATAACTCGTTCCTTCGTA-----TCGAGGGTGTGGAACCGGTTAT 600
QY 240 ACPDGTISAAGVNWNVAQNT--ECTNCAPNFYNNAPNPNSTC-----283
Db 601 ACTAGTCAAGATTAAACAGTCACTGCAA-----CGTGTCCAATGGACCTGAAGC 649
QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATASGATN 324
Db 650 TGTTCCTCCCAATGGACTCTCAACACTGTAACTGGAATTTGAAAGCT--ACGGGTACGAGCG 708
QY 325 YVILQT-----ECLNCAANFYDGNFQAGSSRC--KACPANKVQGVATAGGTAT--LIAQC 378
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTTGGAGATAACGGC 761
QY 379 ALECPAGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVAGIDTCTSC 428
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCCGCAGTTTCAGC 799

RESULT 6
US-09-436-063C-3
; Sequence 3, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-3

Query Match      8.5%; Score 217; DB 4; Length 2544;
Best Local Similarity 26.4%; Pred. No. 3.3e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCPCVGTETNTAGQVDDLTGPANVCNCKNFYNNAAAFVPGASTCTPCPKKDDAGAQP 79
Db 403 TGGCAAGACCCCTCGAC-----TAGCCTTCGGAAGTCTTGTATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC--PAGTAIA-----GGATDYAAIITE-----CVNCRINFYEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----510
QY 127 APFNAGASTCTACPVNRVGGALTAGNAATIVAOCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATTTCTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGNTPFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCN-----V 239
Db 553 ACCACAC-----ATAACTCGTTCCTTCGTA-----TCGAGGGTGTGGAACCGGTTAT 600
```

```
QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGSTC----- 283
Db 601 ACTAGTCAAAGATTAAACAGTCACTGCAA-----CGTGCCCAATGGACCTGAAGC 649
QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATASGATN 324
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAAACTGGAATTTGAAAGCT-ACGGGTACGAGACG 708
QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPANKVOGAVATAGGTAT-LIAQC 378
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTGGAGATAACGGC 761
QY 379 ALECPAGTTLTDTGTTSTYKQAASECVKCAANFYTTKTQTDWVAGIDTCTSC 428
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCGCGAGTTTCAGC 799

RESULT 8
US-09-436-063C-9
; Sequence 9, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-9

Query Match 8.5%; Score 217; DB 4; Length 2601;
Best Local Similarity 26.4%; Pred. No. 3.4e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCVPVGTETNTAGQVDDLGTTPANCVCQKNFYNNNAAFVPGASTCTPCPKKDDAGAQP 79
Db 403 TGGCAAGACCCCTCGAC---TAGCCTTCGGAAGTCTTGATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC-PAGTAIA-----GGATDYAAIITE-----CVNCRINFYNEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGAGTAGACTGTGGAAACCCGAC----- 510
QY 127 APNFNAGASTCTACPVNVRVGGALTAGNAATIVAQCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATCTTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGTNPFPKQSOCTPCPAIKPANVAQATLGNDAITTAQCN-----V 239
Db 553 ACCACAC-----ATAACTCGTCTCTCGTA---TCGAGGGTGATGGAACGGTTTAT 600
QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGSTC----- 283
Db 601 ACTAGTCAAAGATTAAACAGTCACTGCAA-----CGTGCCCAATGGACCTGAAGC 649
QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATASGATN 324
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAAACTGGAATTTGAAAGCT-ACGGGTACGAGACG 708
QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPANKVOGAVATAGGTAT-LIAQC 378
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTGGAGATAACGGC 761
QY 379 ALECPAGTTLTDTGTTSTYKQAASECVKCAANFYTTKTQTDWVAGIDTCTSC 428
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCGCGAGTTTCAGC 799

RESULT 9
US-09-627-650B-1
; Sequence 1, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
```

```
QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGSTC----- 283
Db 601 ACTAGTCAAAGATTAAACAGTCACTGCAA-----CGTGCCCAATGGACCTGAAGC 649
QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATASGATN 324
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAAACTGGAATTTGAAAGCT-ACGGGTACGAGACG 708
QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPANKVOGAVATAGGTAT-LIAQC 378
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTGGAGATAACGGC 761
QY 379 ALECPAGTTLTDTGTTSTYKQAASECVKCAANFYTTKTQTDWVAGIDTCTSC 428
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCGCGAGTTTCAGC 799

RESULT 7
US-09-627-650B-9
; Sequence 9, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-9

Query Match 8.5%; Score 217; DB 4; Length 2601;
Best Local Similarity 26.4%; Pred. No. 3.4e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCVPVGTETNTAGQVDDLGTTPANCVCQKNFYNNNAAFVPGASTCTPCPKKDDAGAQP 79
Db 403 TGGCAAGACCCCTCGAC---TAGCCTTCGGAAGTCTTGATTGGGACTTTCCAAAGAAAT 458
QY 80 NPPATANLVTCNVKC-PAGTAIA-----GGATDYAAIITE-----CVNCRINFYNEN 126
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAAACCCGAC----- 510
QY 127 APNFNAGASTCTACPVNVRVGGALTAGNAATIVAQCNV--ACPTGTALDDGVTTDYVRSFT 184
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATCTTCCACTTG-----GCA 552
QY 185 ECVKRLNFYNGNNGTNPFPKQSOCTPCPAIKPANVAQATLGNDAITTAQCN-----V 239
Db 553 ACCACAC-----ATAACTCGTCTCTCGTA---TCGAGGGTGATGGAACGGTTTAT 600
QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGSTC----- 283
Db 601 ACTAGTCAAAGATTAAACAGTCACTGCAA-----CGTGCCCAATGGACCTGAAGC 649
QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTATASGATN 324
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAAACTGGAATTTGAAAGCT-ACGGGTACGAGACG 708
QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPANKVOGAVATAGGTAT-LIAQC 378
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTGGAGATAACGGC 761
```

;; TITLE OF INVENTION: Methods Related Thereto
;; FILE REFERENCE: 21101.0009U3
;; CURRENT APPLICATION NUMBER: US/09/627,650B
;; CURRENT FILING DATE: 2000-07-28
;; PRIOR APPLICATION NUMBER: 09/436,063
;; PRIOR FILING DATE: 1999-11-08
;; PRIOR APPLICATION NUMBER: 60/107,727
;; PRIOR FILING DATE: 1998-11-09
;; NUMBER OF SEQ ID NOS: 50
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 1
;; LENGTH: 1652
;; TYPE: PRT
;; ORGANISM: Caenorhabditis elegans
US-09-627-650B-1

Query Match 8.5%; Score 215.5; DB 4; Length 1652;
Best Local Similarity 26.7%; Pred. No. 2.5e-10;
Matches 117; Conservative 6; Mismatches 217; Indels 99; Gaps 20;

QY 20 SANCPCVGTETNT-----AGQVDDDLGTPANCVNCOKNFYNNAAAFVPGASTCTPCPQKKA 75
DB 115 TGGCTGCTCATCTACACTTATCGTACTCTCTCT---CCGCACATCTGTGTCTAC--ATGT 169

QY 76 GAQPNPPATANLVTCNVKCPAGTAIAGGATDYAAIIITECVNCRINFYNENAPNFNAGAS 135
DB 170 GGTGTGACA-----CAGGATGAGGACTCACAATATCAACAC-----TCAAC 210

QY 136 TC-----TACPVNRVGGALT-AGNAATIVAOCNVACPTGTALDDGVTTDYVRSFT 184
DB 211 TCCTCTCATCAGTCTCTCGATAGACTCAGCAATCGCAC-TACTTAT-----GATAAAGATT 265

QY 185 ECVK-CRLNFYNGNNGTFFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCNVACPD 243
DB 266 ACGGCCCAGGTATGGTGAAGCCAGTCGAC-----GTTTCA-----GAAGTTGATAT 349

QY 244 GTISAAGVNNWVAQNTCTNCAPNFYNNAPNFNPGNSTCLPCPANKDYGAETAGGAAT 303
DB 315 GTTTC-----TTCAATCTCTGCA-----GTTTCA-----GAAGTTGATAT 349

QY 304 LAKQCNACPDGTATAGSATNYVILQTECLNCAANFYFDGNFQAGSSRCKACPAKVVQ 363
DB 350 GGACTTCAC---ATTAGACTTCTACATGCGTCAACAGTGGCAAGACCCCTCGACTA---G 402

QY 364 AVATAGGTATLIAQCALECPAGTVLTDG---TTSTYKQAASECVKCAA--NFYTTKTQTDW 419
DB 403 CCTTCGGAAG-----TCTTGATTGGGACTTTCCAAAGAAATCGACTCACTTACCGTC 455

QY 420 AGIDTCTSCNKKLTSGAEA 438
DB 456 GGAGTAGACTACCTGGATA 474

RESULT 10
US-09-436-063C-1
; Sequence 1, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1652
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans

US-09-436-063C-1

Query Match 8.5%; Score 215.5; DB 4; Length 1652;
Best Local Similarity 26.7%; Pred. No. 2.5e-10;
Matches 117; Conservative 6; Mismatches 217; Indels 99; Gaps 20;

QY 20 SANCPCVGTETNT-----AGQVDDDLGTPANCVNCOKNFYNNAAAFVPGASTCTPCPQKKA 75
DB 115 TGGCTGCTCATCTACACTTATCGTACTCTCTCT---CCGCACATCTGTGTCTAC--ATGT 169

QY 76 GAQPNPPATANLVTCNVKCPAGTAIAGGATDYAAIIITECVNCRINFYNENAPNFNAGAS 135
DB 170 GGTGTGACA-----CAGGATGAGGACTCACAATATCAACAC-----TCAAC 210

QY 136 TC-----TACPVNRVGGALT-AGNAATIVAOCNVACPTGTALDDGVTTDYVRSFT 184
DB 211 TCCTCTCATCAGTCTCTCGATAGACTCAGCAATCGCAC-TACTTAT-----GATAAAGATT 265

QY 185 ECVK-CRLNFYNGNNGTFFPNPKSQCTPCPAIKPANVAQATLGNDAITTAOCNVACPD 243
DB 266 ACGGCCCAGGTATGGTGAAGCCAGTCGAC-----GTTTCA-----GAAGTTGATAT 349

QY 244 GTISAAGVNNWVAQNTCTNCAPNFYNNAPNFNPGNSTCLPCPANKDYGAETAGGAAT 303
DB 315 GTTTC-----TTCAATCTCTGCA-----GTTTCA-----GAAGTTGATAT 349

QY 304 LAKQCNACPDGTATAGSATNYVILQTECLNCAANFYFDGNFQAGSSRCKACPAKVVQ 363
DB 350 GGACTTCAC---ATTAGACTTCTACATGCGTCAACAGTGGCAAGACCCCTCGACTA---G 402

QY 364 AVATAGGTATLIAQCALECPAGTVLTDG---TTSTYKQAASECVKCAA--NFYTTKTQTDW 419
DB 403 CCTTCGGAAG-----TCTTGATTGGGACTTTCCAAAGAAATCGACTCACTTACCGTC 455

QY 420 AGIDTCTSCNKKLTSGAEA 438
DB 456 GGAGTAGACTACCTGGATA 474

RESULT 11
US-09-627-650B-11
; Sequence 11, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: 21101.0009U3
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1128
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-11

Query Match 8.1%; Score 207; DB 4; Length 1128;
Best Local Similarity 24.9%; Pred. No. 8.6e-10;
Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;

QY 20 SANC---PVGTTNTAGQVDDDLGTPANCVNCOKNFYNNAAAFVPGAST-----65
DB 158 AAGCCAATAGTGTTCAG-ATCGGTATTCGACGGCC-----GAATCGGATACAAATGGTGT 212

QY 66 -CTPCPQKKGAG--AQPNNPPATANLVTCNVKCPAG-----TATAG 103

Db 213 ACGTCGAAGGCGCAATTGTCACAGCGGTCAAGSCGCGACGCGAATCGAATGTCG 272
Qy 104 GATDYAAIITEVCNCRINFINENAPNFNAGASTCTAC--PVMRVGA-----148
Db 273 AGTTATAAATTCA-C-----TAAATCTGCCAAAACGGACACTTCCGACAC 319
Qy 149 ---LTAGNAATIVACNVACPTGTFALDDGVTTDVRSFTE-----CVKCRLENYING 197
Db 320 TTCATCGGGGACCTACTCTCTGCTACGGGTAGTTTCATATTTGATCGCGACA-----G 373
Qy 198 NNGNTPFNPQKSOCTPCPAIKPANVAQATLGNDAITTAQCNVACPDGTISAAGVNNWVAQ 257
Db 374 CGGCTTCTACTTCTTCAA-----ATATTTTCCCTGCCAGCTCGCTAG-----420
Qy 258 NTECTNCAPNFNNAPNFNPGNSTC-----LPCPANKDYGAETAGGAAT-----303
Db 421 TTTTATCA-----TGGATCTCATCTGATCAATCGTGA-CTCGGCGCCTTCG 467
Qy 304 --LAKOCNIACPDGTAI-ASGATNVILOTECLNCAANFYEDGNFQAGSSRCKACPANK 360
Db 468 CGAACCCCTAATCGGTACGATGACG-----GTGC-TCAC-----GAGACTCATC--TT 512
Qy 361 VQGA-----VATAGGTATLIAQALECPAGTFLTDGTTSTYKQAASECVKCAANFYT 412
Db 513 ATGACCGGAACCAATCGAGGCTTCCA--CCAGT--TGCTATGTAAAAGCCGTTGATGT 568
Qy 413 TKQTDWAGIDTCTSCNKKLTS 434
Db 569 ATTCTCGGTTTCTGCTATCTT 590

RESULT 12
US-09-436-063C-11
; Sequence 11, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; PRIOR FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1128
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-11

Query Match 8.1%; Score 207; DB 4; Length 1128;
Best Local Similarity 24.9%; Pred. No. 8.6e-10;
Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;

Qy 20 SANC---PVGTETWTAGQVDDLTPANCVCNKFNFNNAAFVPGAST-----65
Db 158 AAGCCCAATGTGTTACG-ATCGGTATTGCGAGCGCC---GAAATCGAGTACAAATGTTGT 212
Qy 66 -CTPCPQKKDAG--AQNPPATANLVTQCNVKKCPAG-----TAIAG 103
Db 213 ACGTCGAAGGAGCGCAATGTTTCGACAGCGGTCAAGCGCGGACGACATCGAATGTCG 272
Qy 104 GATDYAAIITEVCNCRINFINENAPNFNAGASTCTAC--PVMRVGA-----148
Db 273 AGTTATAAATTCA-C-----TAAATCTGCCAAAACGGACACTTCCGACAC 319
Qy 149 ---LTAGNAATIVACNVACPTGTFALDDGVTTDVRSFTE-----CVKCRLENYING 197
Db 320 TTCATCGGGGACCTACTCTCTGCTACGGGTAGTTTCATATTTGATCGCGACA-----G 373

Qy 198 NNGNTPFNPQKSOCTPCPAIKPANVAQATLGNDAITTAQCNVACPDGTISAAGVNNWVAQ 257
Db 374 CGGCTTCTACTTCTTCAA-----ATATTTTCCCTGCCAGCTCGCTAG-----420
Qy 258 NTECTNCAPNFNNAPNFNPGNSTC-----LPCPANKDYGAETAGGAAT-----303
Db 421 TTTTATCA-----TGGATCTCATCTGATCAATCGTGA-CTCGGCGCCTTCG 467
Qy 304 --LAKOCNIACPDGTAI-ASGATNVILOTECLNCAANFYEDGNFQAGSSRCKACPANK 360
Db 468 CGAACCCCTAATCGGTACGATGACG-----GTGC-TCAC-----GAGACTCATC--TT 512
Qy 361 VQGA-----VATAGGTATLIAQALECPAGTFLTDGTTSTYKQAASECVKCAANFYT 412
Db 513 ATGACCGGAACCAATCGAGGCTTCCA--CCAGT--TGCTATGTAAAAGCCGTTGATGT 568
Qy 413 TKQTDWAGIDTCTSCNKKLTS 434
Db 569 ATTCTCGGTTTCTGCTATCTT 590

RESULT 13
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 7.9%; Score 200.5; DB 2; Length 1345;
Best Local Similarity 25.8%; Pred. No. 4e-09;
Matches 111; Conservative 5; Mismatches 212; Indels 103; Gaps 17;


```
Db 1912 CCGACAGTGATCTTCA-----TCACCTTGGTGATGCTGAGAGAAACA 1955
Qy 299 GGAATLAKQCNIAC-----PDGTAIASGATNYVILQTECLNCAAN----- 338
Db 1956 GTACACATCCATTTCATCATGCTGTGGTGGAGGTG----ACGCCGCTGTCAACCCACAGAG 2011
Qy 339 -----FYFDGNNFQAGSSRCKACPANKVOGAVATAGGTATLIAQCALECPAGTVLTDGT 392
Db 2012 AGCGCCACCTGTCCAAGATGCAGCAGAACGGCTACGAAATCCAAACCTACAAGTTCT--T 2069
Qy 393 TSTYKQAAASECVKCA 407
Db 2070 TGACGAGATGCAGAA 2084
```

Search completed: February 11, 2003, 19:49:20
Job time : 21.8857 secs